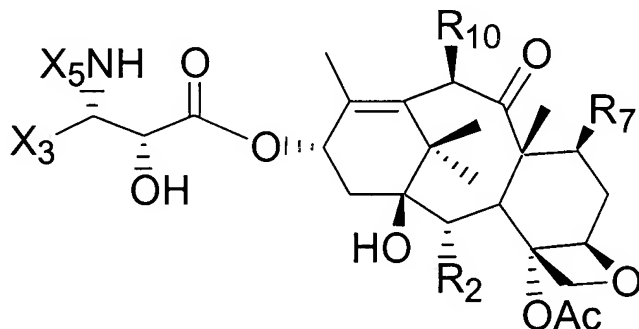


IN THE CLAIMS:

1. (currently amended) A method of inhibiting tumor growth in a mammal, said method comprising **orally** administering a therapeutically effective amount of a composition comprising at least one pharmaceutically acceptable carrier and a taxane having the formula



wherein

X₃ is isopropyl, isobutenyl, cyclopropyl, cyclobutyl, **cyclopentyl**, 2-thienyl, 3-thienyl, 2-furyl, 3-furyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl **or p-nitrophenyl**;

X₅ is -COX₁₀ and X₁₀ is 2-furyl, 2-thienyl, 3-pyridyl, 4-pyridyl, n-propyl, butenyl or isobutenyl;

R₂ is benzoyloxy;

R₇ is hydroxy;

R₁₀ is R_{10a}OCOO-; and

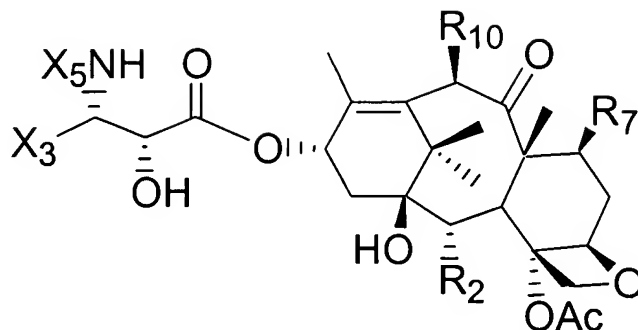
R_{10a} is methyl or ethyl.

2. (original) The method of claim 1 wherein X₃ is 2-thienyl or 3-thienyl.

3. (original) The method of claim 1 wherein X₃ is 2-furyl or 3-furyl.

4. (currently amended) A method of inhibiting tumor growth in a mammal, said method comprising **orally** administering a therapeutically effective amount of a composition comprising at least one pharmaceutically acceptable carrier and a taxane having the formula

5



wherein

X_3 is 2-furyl, ~~3-furyl~~ or 2-thienyl ~~or 3-thienyl~~;

X_5 is $-\text{COX}_{10}$ and X_{10} is trans-propenyl or isopropyl;

R_2 is benzoyloxy;

R_7 is hydroxy;

R_{10} is $R_{10a}\text{OCOO}-$; and

R_{10a} is ~~methyl~~ or ethyl.

10

5. (original) The method of claim 4 wherein X_3 is 2-furyl ~~or 3-furyl~~.

6. (original) The method of claim 4 wherein X_3 is 2-thienyl ~~or 3-thienyl~~.

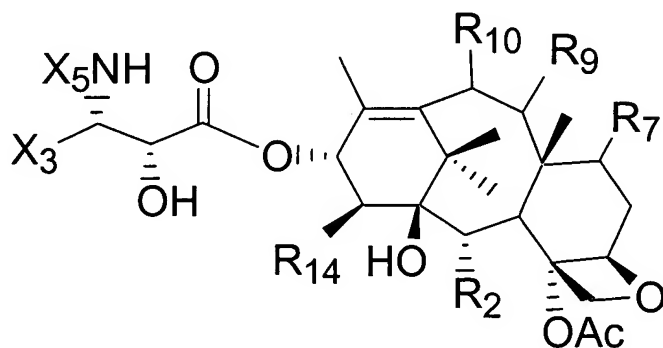
7. (cancelled) The method of claim 4 wherein R_{10a} is ethyl.

8. (cancelled) The method of claim 7 wherein X_3 is 2-furyl or 3-furyl.

9. (cancelled) The method of claim 7 wherein X_3 is 2-thienyl or 3-thienyl.

10. (original) The method of claim 4 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is trans-propenyl.

11. (original) A method for preparing a pharmaceutical composition comprising mixing at least one nonaqueous, pharmaceutically acceptable solvent and a taxane having the formula



wherein

- 5 R₂ is acyloxy;
 R₇ is hydroxy;
 R₉ is keto, hydroxy, or acyloxy;
 R₁₀ is carbonate;
 R₁₄ is hydrido or hydroxy;
10 X₃ is heterocyclo;
 X₅ is -COX₁₀, -COOX₁₀, or -CONHX₁₀;
 X₁₀ is hydrocarbyl, substituted hydrocarbyl, or heterocyclo; and
 Ac is acetyl.

12. (original) The method of claim 11 wherein X₃ is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl or 4-pyridyl.

13. (original) The method of claim 11 wherein R₁₀ is R_{10a}OCOO- and R_{10a} is methyl or ethyl.

14. (original) The method of claim 11 wherein X₅ is -COX₁₀ and X₁₀ is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C₁ - C₈ alkyl, C₂ - C₈ alkenyl, or C₂ - C₈ alkynyl, or X₅ is -COOX₁₀ and X₁₀ is substituted or unsubstituted C₁ - C₈ alkyl, C₂ - C₈ alkenyl, or C₂ - C₈ alkynyl.

15. (original) The method of claim 11 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl or 4-pyridyl, R_{10} is $R_{10a}OCO-$ and R_{10a} is methyl or ethyl.

16. (original) The method of claim 11 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl or 4-pyridyl, X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

17. (original) The method of claim 11 wherein R_{10} is $R_{10a}OCO-$ and R_{10a} is methyl or ethyl, X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

18. (original) The method of claim 11 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl or 4-pyridyl, R_{10} is $R_{10a}OCO-$, R_{10a} is methyl or ethyl, X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

19. (original) The method of claim 11 wherein X_3 is 2-furyl or 3-furyl.

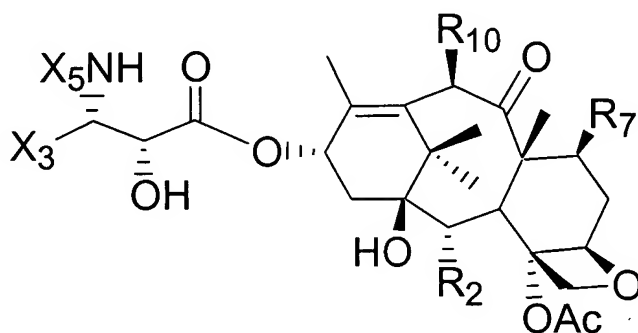
20. (original) The method of claim 11 wherein X_3 is 2-thienyl or 3-thienyl.

21. (original) The method of claim 13 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl or 3-thienyl.

22. (original) The method of claim 14 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl or 3-thienyl.

23. (original) The method of claim 18 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl or 3-thienyl.

24. (currently amended) A taxane having the formula



wherein

5 X_3 is isopropyl, isobutenyl, cyclopropyl, cyclobutyl, cyclopentyl, 2-thienyl, 3-thienyl, 2-furyl, 3-furyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl ~~or p-nitrophenyl~~;

X_5 is $-COX_{10}$ and X_{10} is 2-furyl, 2-thienyl, 3-pyridyl, 4-pyridyl, n-propyl, butenyl or isobutenyl;

R_2 is benzoyloxy;

10 R_7 is hydroxy;

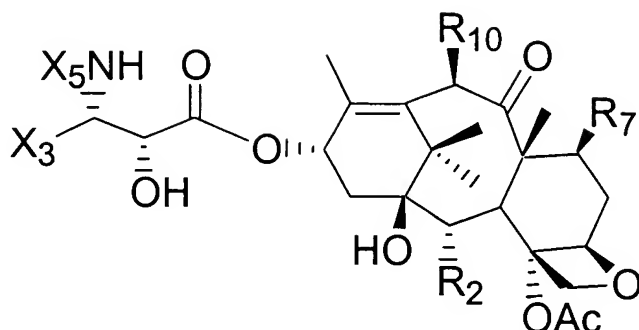
R_{10} is $R_{10a}OCO-$; and

R_{10a} is methyl or ethyl.

25. (original) The taxane of claim 24 wherein X_3 is 2-thienyl or 3-thienyl.

26. (original) The taxane of claim 24 wherein X_3 is 2-furyl or 3-furyl.

27. (currently amended) A taxane having the formula



wherein

X_3 is 2-furyl, ~~3-furyl~~ or 2-thienyl ~~or 3-thienyl~~;

5 X_5 is $-\text{COX}_{10}$ and X_{10} is trans-propenyl or isopropyl;

R_2 is benzoyloxy;

R_7 is hydroxy;

R_{10} is $R_{10a}\text{OCOO}-$; and

R_{10a} is ~~methyl~~ or ethyl.

28. (original) The taxane of claim 27 wherein X_3 is 2-furyl ~~or 3-furyl~~.

29. (original) The taxane of claim 27 wherein X_3 is 2-thienyl ~~or 3-thienyl~~.

30. (cancelled) The taxane of claim 27 wherein R_{10a} is ethyl.

31. (original) The taxane of claim 27 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is trans-propenyl.

32. (cancelled) The taxane of claim 30 wherein X_3 is 2-furyl or 3-furyl.

33. (cancelled) The taxane of claim 30 wherein X_3 is 2-thienyl or 3-thienyl.